

1. A telecommunication system comprising:
an Ethernet-type local area network;
one or more telecommunication networks, said one or more telecommunication networks being connected to said Ethernet-type local area network;
an Internet Protocol layer;
a Quality of Service layer;
a Generate Quality of Service layer;
Internet Protocol voice communication data;
an Ethernet layer and adapted to be adapted to said Internet Protocol voice communication data;
from said second byte a first byte;
generate corresponding data;
Service Ethernet layer;

- 4 area network
5
6
7
8 Inter

- 1 5. A telecommunications system in accordance with claim 3,
2 wherein said Quality of Service Ethernet layer and said Generate
3 Quality of Service Ethernet layer are modular.

- 1
2 type loc
3

6 Prot
7 adap
8 qual
9 Serv

1. *[Handwritten signature]*
2. *[Handwritten signature]*
3. *[Handwritten signature]*
4. calls; e
5. *[Handwritten signature]*

1 12. A method, comprising:
2 beginning an IP multimedia call;
3 encapsulating corresponding messages for said IP multimedia call in IP
4 protocol data packets;

7 network
8
9 said
10
11 layer

1

3
4 in IP
5
6 pack
7
8 sent
9
10 map
11

1 16. A system according to claim 15, wherein said second byte comprises a type

2 of service byte.

- 1 17. A system according to claim 15, said second byte comprising a differentiated
- 2 service byte.

00000000000000000000000000000000